To: DAVID J. C/O GLA: CORPORA FIVE MO	YOSMITHKLINI	E TUAL PROP BOX 13398	FEB 1 8 2005 PERTY DEPT LOBAL INTELLECTUAL PR	OPERTY WR. INTERNATIO	PCT TITEN OPINION OF THE DNAL SEARCHING AUTHORITY (PCT Rule 43bis.1) 15 FEB 2005		
Applicant'	Applicant's or agent's file reference				(day/month/year) CD 2003		
PR60317V	VO						
International application No.		International filing date	(day/month/year)	Priority date (day/month/year)			
PCT/US04/19692			18 June 2004 (18.06.2004)		19 June 2003 (19.06.2003)		
Internation	nal Patent Classifi	cation (IPC)	or both national classifica	tion and IPC			
IPC(7): C07D 403/12; A61K 31/416 and US Cl.: 544/316; 514/274							
Applicant							
SMITHKI	LINE BEECHAM	CORPORA	TION				
1. This opinion contains indications relating to the following items:							
	Box No. I Basis of the opinion						
	Box No. II Priority						
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention							
							Box No. V Reasoned statement under Rule 43bis. 1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
Box No. VI Certain documents cited							
	Box No. VII Certain defects in the international application						
	Box No. VIII Certain observations on the international application						
2. FURTHER ACTION							
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Scarching Authority will not be so considered.							
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.							

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
PCT/US04/19692	

Box No. I Basis of this opinion						
 With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 						
This opinion has been established on the basis of a translation from the original language imo the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).						
 With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: 						
a. type of material						
a sequence listing						
table(s) related to the sequence listing						
b. format of material						
in written format						
in computer readable form						
c. time of filing/furnishing						
contained in international application as filed.						
filed together with the international application in computer readable form.						
furnished subsequently to this Authority for the purposes of search.						
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.						
4. Additional comments:						
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WRITTEN OPINION OF THE

International application No. PCT/US04/19692

INTERNATIONAL SEARCH	40 Till 40 (6) and to mounter	inventive step or industrial
Box No. V Reasoned statement under Rul	e 43 bis.1(a)(i) with regard to noverty, anations supporting such statement	mvenuve step or me
applicability, citations and capit		
1. Statement		2000
Novelty (N)	Claims 1-72	
	Claims NONE	NO
		YES
Inventive step (IS)	Claims 1-72	NO
	Claims NONE	
was a sala a aliankiliwa (IA)	Claims 1-72	YES
Industrial applicability (IA)	Claims NONE	NO
Claims 1-72 meet the criteria of novelty and invertairly suggest the instant compounds. EP 122317 as pharmaceutical agems, see formula (I) wherein Rz group attached at the 4-position of the pyrimid claims are drawn to pyrimidine compounds where reference compounds does not specifically teach constant claims and therefore, one of ordinary skill compounds from the reference disclosed genus. Claims 1-72 meet the criteria set out in PCT Artithus meet the requirement of industrial applicabil	By or R4 can be a heterocycle. The reference in the wherein X is an oxygen atom, a nitrogen in A is not a group which is analogous to the fairly suggest pyrimidine compounds have in the art would not have been motivated to	ce compounds further contain a -X-Y- atom or a sulfur atom. The instant e -X-Y-R2 of the reference. The ng the combination of substituents of the choose the instantly claimed pyrimidine

Form PCT/ISA/237 (Box No. V) (January 2004)